

LED03

APPLICATION: Submersible water illumination.

SOURCE: 1 watt LED powered by remote 350mA driver.

MATERIAL: Machined anodized aluminum or stainless steel with tempered 1/4" tempered or clear glass lens and 6" cap the head.

HOUSING: Comes with aluminum flange mounting plate. Can be buried in earth/gravel or cast into concrete for submersible applications. (7' x 40")

APPROVAL: Submersible. Approved to UL standards by CSA/UL.

ORDERING CODE:

TYPE	WARRANTY	COLOR	FOOTCANDLES	IP68	ANGLE BEAM	HOUSING	END LENGTH	FINISH
LED03	1-1/2	White	12" x 12" beam	CL-clear	0° no angle bracket	8" with optic box	6'-0" long lead	CSA-clear anodized
		White	24" x 24" beam	CL-clear	30°-30° angle bracket	8" with optic box	6'-0" long lead	CSA-clear anodized
		Amber	12" x 12" beam	CL-clear	45°-45° angle bracket	8" with optic box	6'-0" long lead	CSA-clear anodized
		Red	12" x 12" beam	CL-clear	45°-45° angle bracket	8" with optic box	6'-0" long lead	CSA-clear anodized
		Blue	12" x 12" beam	CL-clear	45°-45° angle bracket	8" with optic box	6'-0" long lead	CSA-clear anodized

Notes:

1515 West University Drive, Suite 102 Tampa, Florida 83281 1-800-968-2300 1-408-968-3005

mcla ARCHITECTURAL LIGHTING DESIGN

PROJECT

RD1

FIXTURE TYPE

1 OF 1

MegaLine

Linear Low Voltage LED Light Fixture

Application

MegaLine is the highest output linear light fixture offered by OptoLum. It is ideal for large scale wall washing. MegaLine is available in several beam angle and color temperature options to meet the unique needs of your installation. MegaLine has two standard mounting options, lower profile mounting clips or an extended aluminum viewbar. MegaLine's extruded aluminum housing creates an aesthetically pleasing fixture as well as optimum heat dissipation for the thermal management of the LEDs. OptoLum holds US Patents 6,575,538, 6,515,124, 6,831,303, 6,342,028, 6,288,795, with multiple US and international patents pending.

Light Output

MegaLine's assembly is optimized for efficiency and available with several options for LED output. Please see our specification matrix for a complete list of options. The application data below illustrates average footcandle values at various distances based on one linear foot of MegaLine. IES format files are available upon request.

Application Data

10°	30°	45°
1'-0" 125 FC	1'-0" 125 FC	1'-0" 125 FC
3'-0" 17 FC	3'-0" 17 FC	3'-0" 17 FC
5'-0" 10 FC	5'-0" 10 FC	5'-0" 10 FC

Electrical

OptoLum Low Voltage LED luminaires require remote power supplies, which must be ordered separately. 90-264VAC/24VDC power supplies are offered. A 60W power supply can run up to 2'-0" of MegaLine and a 30W power supply can run up to 3'-0" of MegaLine. A 14'-0" lead is provided for each fixture.

Lamp Life and Warranty

Average Rated Lamp Life is 50,000 hours. Lamp life is derived from a formula that includes known LED tolerance and actual stress applied. OptoLum warrants our products for one year from the date of purchase against manufacturing defects.

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SD1

FIXTURE TYPE

1 OF 2

NEW PowerMizer

Energy Efficient, High Quality, LED Lighting Products

Prolume Series XLA Linear Arrays allow the custom design of hi-flux LED lighting in interior applications including cove and accent lighting, display case lighting, raking and more. Key features include...

- LUXEON 1W Emitters
- Light Distribution
- Circuit Management
- Thermal Management
- Array Styles
- Electrical

LED SELECTOR

COLOR	TEMP	LUMENS	SUFFIX
WHITE	5500°K	45	CIW
WHITE*	3300°K	25	WW
RED	627 nm	27	R
AMBER	590 nm	25	A
GREEN	530 nm	53	G
CYAN	505 nm	45	C
BLUE	470 nm	16	B

OPTICS (LENS) SELECTOR

TYPE	PATTERN	SUFFIX
SPOT	10° x 40°	O
SPOT	10°	S
MEDIUM	30°	M
WIDE	50°	W
NO LENS	LAMB / 160°	L
	BAT / 110°	B

ARRAY STYLE

TYPE	DESCRIPTION	SUFFIX
TUBE	LASER CUT TUBE	T
CHANNEL	*U* CHANNEL	U
FLAT	FLAT CHANNEL	F
CUSTOM	CUSTOM FIXTURE	C

ORDERING INFORMATION

Specify...

SERIES-LENGTH/STYLE-PITCH-COLOR/OPTICS

Example...MODEL XLA-60U-2-CWS

Fixtures with 1W LUXEON cool white LEDs, 60" length, "U" channel housing, with 10° LED lensing.

Job:

Remarks:

mcla ARCHITECTURAL LIGHTING DESIGN

PROJECT

SD2

FIXTURE TYPE

1 OF 2

14 ILLUMINATORS

SILVER SERIES 150 watt compact Metal Halide Illuminator

Control Features Available in White Light or with optional Permanent Color

Lamp 150 watt Philips MasterColor CDM-SA/R metal halide with 6,000 hour lamp life (80% lumens maintained); 96 CRI, 4200° K color temperature; 3 minute re-strike delay.

Replacement Lamp Catalog #AC-LMP-150CDM-4K

Electrical Electronic ballast: 100-240V, 50/60Hz; 6' detachable IEC power cord with integral fuse; 1.5 amps continuous load, 3.0 amps start-up load at 120 volts; auto-reset thermal protection; advanced forced air fiber cooling system; 28.5 dB(A) quiet fan; weight 2.2 kilograms (4.8 lbs.).

Fiber Capacity 1000 - 0.75mm; accepts stranded PMMA/glass or large core fiber

Harness 28mm

Mounting and Ventilation 6" clearance in front for fiber exit; zero clearance all other sides (near with proper exhaust venting: 30°C min/40°C max / 22°F min/104°F max) operating temperature.

Listings UL, cUL Listed (portable cabinet light); CE marked.

Please refer to VLT Lux Calculator for all Photometrics and Beam Angles

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mcla ARCHITECTURAL LIGHTING DESIGN

PROJECT

XM1

FIXTURE TYPE

1 OF 2

OptoLum

Specify ML

PRODUCT

OPTIC	LED COLOR	CONTROLLER	LENGTH	HOUSING
10°	Warm White	TH - OptoLum TH	6'-0"	See - Mounting Clips
30°	2550°K 3310°K	TH - OptoLum TH	6'-0"	See - Mounting Clips
45°	2150°K 3840°K	TH - OptoLum TH	6'-0"	See - Mounting Clips
UL	110°	TH - OptoLum TH	6'-0"	See - Mounting Clips
UL	110°/145°	TH - OptoLum TH	6'-0"	See - Mounting Clips
UL	110°/145°	TH - OptoLum TH	6'-0"	See - Mounting Clips
UL	110°/145°	TH - OptoLum TH	6'-0"	See - Mounting Clips

Options

Optics

Our high efficiency lenses are made of optical grade PMMA and are available in several beam spreads. Alternating beam angles are also available.

Control Systems

MegaLine can be infinitely dimmable using OptoLum's Vanium dimming controller. MegaLine is also compatible with Lutron 0-10V dimming, as well as most 0-10V systems with an OptoLum 0-10V Universal Converter. MegaLine is compatible with Lutron PWM systems with an OptoLum PWM Universal Converter. Dimmable power supplies should not be used.

Product Views

Side View - Mounting Clips

Side View - Wireway

Top View

Product Dimensions

End View - Mounting Clip

End View - Wireway

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FIXTURE TYPE

2 OF 2

FIXTURE STYLES / OPTICS/ OPTIONS

Prolume Series XLA custom fixtures in a tubular design featuring cool white LEDs with narrow optics, are used to rake rock formations in the Icnology Exhibit at Amherst College new Geology Museum. Lighting design by Available Light, Salem, Massachusetts.

Shown above are arrays in designs including laser cut tubes, U-Channel housings and flat bar stock mounts. Also shown are collimator / lens assemblies as well as bare LED / no secondary optic designs. Custom mounting brackets (not shown), custom finishes and custom lengths for all designs are available to suit application requirements. See separate specification sheets on fixture wiring options.

Consult your Prolume Lighting Representative for an XLA solution to your hi-flux LED lighting needs.

PROLUME

HERVEY INNOVATIVE • TECHNOLOGY BASED • QUALITY LIGHTING PRODUCTS

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mcla ARCHITECTURAL LIGHTING DESIGN

PROJECT

SD2

FIXTURE TYPE

2 OF 2

15 ILLUMINATORS

LGS150C

4 28 W / W D MVOLT

Illuminator

Color Temperature

Port Size

Control Options

Modifiers & Accessories

PG Permanent Color Filter (refer to pg. 51 for selection)

EHA Exhaust Hose Adapter (refer to pg. 57 for details)

LS Light Shield to block light leak (refer to pg. 57 for details)

Please refer to VLT Lux Calculator for all Photometrics and Beam Angles

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FIXTURE TYPE

2 OF 2



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MARK	DATE	DESCRIPTION
	09.25.2009	Schematic Design Submittal